

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO Department of Civil Engineering

LESSON PLAN

COURSE TITLE: Quantity Surveying & Estimation		COURSE CODE: CE341		CREDIT HOURS: 03	MINIMUM HOURS:	CONTACT 48	
COURSE INSTRUCTER: Prof. Dr. Nafees Ahmed Memon(A+C)/Engr. Abdul Raqeeb Memon (B+D)/Engr. Zaid Khan (B)							
Batch:21CE	Semester: 6 th	Semeste	er Starting Date: 15-07-	2024	Semester Susp	ension Date:	06-11-2024

COURSE LEARNING OUTCOMES:

CLO	Description	Taxonomy	Associated PLO
		Level	
1	SOLVE the numerical related to quantities of various civil engineering works.	СЗ	2
2	ANALYZE cost of construction project and discuss contract award procedure	C4	4

LESSON CONTENTS AND ASSOCIATED CLO(s)

Contents	CLO	Marks	Delivery	Assessment
	No.	Assigned	Methods	Methods (Marks)
 INTRODUCTION OF VARIOUS CIVIL ENGINEERING WORKS: Introduction and overview of the subject Significance of cost estimation in construction industry Estimate and its' types Role of quantity surveyor at different organizational levels Importance of preliminary estimate in administrative approval of public sector projects Main requirements and factors to be considered while preparing a detailed estimate Scope of civil engineering works and its' impact on cost estimate Preliminary estimate of various buildings Load bearing structures (Quantity calculation using Separate wall and Center line methods) R.C.C structures (Quantity calculation related to Column, Beam, Slab, Staircase and Retaining wall) Road works (Lead and Lift, Calculation of earthwork using different methods) Concepts related to quantity calculation of bridges and steel structures Quantity calculation of sewerage and water supply works No. of lectures: 33 	1	70	 Discussion Class practice 	• Sessional Activity I: Class Test/Quiz (07) • Sessional Activity II: Assignment/ Project (07) • Mid semester Exam (20) • Final Exam (36)

ASSESSMENT DETAILS

S. No.	Assessment Activities	Marks	Activities		CLO(s) to be assessed
1	Sessional	20	Class Test/ Quiz/ Assignment/Project	4	1, 2
2	Mid Semester Exam	20	1		1
3	Final Semester Exam	60	1		1, 2

Prepared by: Prof. Dr. Nafees Ahmed

Memon

Signature:
Dated: 27-05-2024

Reviewed by: Curriculum Review Committee

Signature:
Dated: 30-05-2024

Signature:
Dated: 30-05-2024